COVERAGE NAME: ST_HWY

COVERAGE AREA: Statewide

COVERAGE DESCRIPTION:

The ST_HWY coverage is a line coverage representing the California Department of Transportation (Caltrans) State Highway routes. ST_HWY is a reduced version of the FUNC coverage, consisting of adopted, proposed and constructed State Highway routes, including within National Parks. The ST_HWY coverage contains all the attributes of the FUNC coverages.

USER NOTES:

The Caltrans postmile system is not available on the ST_HWY coverage. The SECT_ID item is the linkage between the ST_HWY coverage and the HPMS database.

The definitions in the HPMS database are not identical for the TRKRT and STRAHNET items.

VITAL STATISTICS:

Datum:	NAD 83
Projection:	Albers
Units:	Meters
1st Std. Parallel:	34 degrees N
2nd Std. Parallel:	40.5 degrees N
Longitude of Origin:	-120 degrees W
Latitude of Origin:	0 degrees N
False Easting:	0
False Northing:	-4,000,000
Source Media:	USGS DLG
Source Projection:	Universal Transverse Mercator Zone 10/11
Source Units:	Meters
Source Scale:	1:100,000
Capture Method:	
Conversion Software:	
Data Structure:	Vector
ARC/INFO Coverage Type:	Arc
ARC/INFO Precision:	Double
ARC/INFO Tolerances:	10 meters
Frequency of Updates:	As FUNC coverage highway data is updated
Data Updated:	September 2001
Update Media:	Caltrans County Map Series
Update Method:	Digitizing
Update Software:	ARC/INFO rev. 7.2.1

DATA DICTIONARY:

File name: ST_HWY.AAT
Record length: 171

NOTE: Items common to all line coverages: FNODE#, TNODE#, LPOLY#, RPOLY#, LENGTH,
       <coverage>#, and <coverage>-ID are not shown.

COLUMN	ITEM NAME	WIDTH	OUTPUT	TYPE	N.DEC
33	RTE	3	3	I	-
36	SUBRTE	3	3	I	-
39	ROUTE2	2	5	B	-
41	STATUS	2	2	B	-
43	RAMP	2	2	B	-
45	CO	3	3	C	-
48	DIST	2	2	C	-
50	SEG1#	4	4	C	-
54	SEG2#	6	6	C	-
60	RUCODE	1	1	I	-
61	URBCODE	3	3	I	-
62	FUNCCL	2	2	I	-
66	NEWFUNCCL	2	2	I	-
68	CONSTRUCTED	1	1	I	-
69	TRKRT	2	2	I	-
71	STRAHNET	1	1	I	-
72	HPCORD	1	1	I	-
73	NHS	1	1	I	-
74	LIFE	1	1	I	-
75	SCENIC	1	1	I	-
76	BIKE	1	1	I	-
77	ICB	3	3	I	-
80	IRRS	1	1	I	-
81	F&E	1	1	I	-
82	LLRSUB	2	2	I	-
84	SUBFLG	1	1	I	-
85	BPM	8	8	N	3
93	EPM	8	8	N	3
101	ITMS	1	1	I	-
102	ITMS-ID	28	28	C	-
130	GIS-ID	9	9	C	-
139	UPDATE-ID	9	9	C	-
148	NUMLANE	2	2	C	-
150	ACCONT	1	1	I	-
151	RSYS	1	1	I	-
152	IRTE	3	3	I	-
155	USRTE	3	3	I	-
158	SRTE	3	3	I	-
161	LRTE	3	3	I	-
164	BRTE	3	3	I	-
167	COINRTE	3	3	I	-
170	COINRTE2	3	3	I	-

** REDEFINED ITEMS **

33	RDS	6	6	I	-
50	SEG#	10	10	C	-
48	SEG	14	14	C	-

ITEM DESCRIPTIONS:

RTE: Postmile Route number
    DO NOT MODIFY. Corresponds to TASAS postmile route numbers. May or may not   correspond to the Legislative Route number or the signed route number seen on highway maps and road signs. Adopted and proposed highways, and state highways that are within National Parks are coded under the item ROUTE2. To find postmiled State Highways select: RTE ne 0 and STATUS = 1, 4, 5.

SUBRTE: Subroute
    DO NOT MODIFY. This item is not applicable to the statewide coverage.

ROUTE2: This item is used to display state highways that are within a national park, adopted and proposed routes, and U & S routes.

STATUS: Status of State Highways
    0 - Not State Highway
    1 - Constructed State Highway (paved or unpaved)
    2 - Adopted; Not yet constructed. Alignment known. (Not postmiled in coverage)
    3 - Proposed; Not yet constructed. Alignment unknown. (Not postmiled in coverage)
    4 - Constructed State Highway (Non ADD)
    5 - Constructed State Highway (Pending relinquishment)
    6- Unrelinquished Route or Supplemental Route. (U & S routes) (Not postmiled in coverage)

UPDINFO: Date arc modified and by whom
            0 - has not been updated; line is from USGS DLG
    mmyy.01 - updated by Caltrans on mmyy
    mmyy.02 - updated by Teale on mmyy

    Note: The information in this item is not current.

RAMP: Flag for ramps
    0 - not highway ramp
    1 - highway ramp
    NOTE: The geometry of most ramps have not been modified and reflect the original DLG linework. Ramp lengths are not postmiled.

CO: Caltrans county abbreviation

DIST: Caltrans District number

SEG1#: Part 1 of HPMS segment ID (ROUTE-ID)

SEG2#: Part 2 of HPMS segment ID (SECTION-ID)

    SEG1#, SEG2# are HPMS items. DO NOT MODIFY without consulting HPMS staff.
    SEG: Key used to relate FUNC.AAT to XXX_HPMS_DAT
    (Refer to HPMS documentation for format of XXX_HPMS_DAT)
    (SEG is a redefined item comprised of DIST, SEG1# and SEG2#)

RUCODE: Urban/Rural Designation Code
- 1 = Rural
- 2 = Small Urban
- 3 = Urbanized

URBCODE: Urbanized area codes, unique FIPS codes for each urbanized areas.

FUNCCL: Item used to describe functional classification system

01 = Rural	Principal Arterial-Interstate	(PAI)
02 = Rural	Other Principal Arterial	(OPA)
06 = Rural	Minor Arterial	(MA)
07 = Rural	Major Collector	(MJC)
08 = Rural	Minor Collector	(MNC)
11 = Urban	Principal Arterial – Interstate	(PAI)
12 = Urban	Principal Arterial/Other Fwys or Expwys	(OFE)
14 = Urban	Other Principal Arterial	(OPA)
16 = Urban	Minor Arterial	(MA)
17 = Urban	Collector	(COL)

NEWFUNCCL: Item used to identify proposed functional class changes that have not been verified by the Office of Highway System Engineering. This item uses the same coding values as FUNCCL.

CONSTRUCTED: Item used to identify constructed or not constructed roadways. It is based on the federally approved CRS maps for non highways and status 2 and 3 for highways.

- 0 = Not Constructed
- 1 = Constructed

TRKRT: Item used to define National Truck Network
- 0 = Not part of the National Truck Network
- 1 = National Network for STAA Trucks
- 2 = Terminal Access Routes to the National Network
- 3 = Routes for Tractor-Semis with Kingpin to Rear Axle Length < 30 Ft.
- 4 = Routes for Tractor-Semis with Kingpin to Rear Axle Length 30 Ft.
- 5 = Routes for Tractor-Semis with Kingpin to Rear Axle Length 32 Ft.
- 6 = Routes for Tractor-Semis with Kingpin to Rear Axle Length 34 Ft.
- 7 = Routes for Tractor-Semis with Kingpin to Rear Axle Length 36 Ft.
- 8 = Routes for Tractor-Semis with Kingpin to Rear Axle Length 38 Ft.
- 9 = Routes for Tractor-Semis with 65-Foot Overall length and 40-Foot Kingpin to Rear Axle Length (CA LEGAL)
- 10 = Routes with Operational Restrictions

STRAHNET: Item used to define Strategic Highway Network (STRAHNET) or STRAHNET Connectors
- 0 = Not STRAHNET
- 1 = STRAHNET route
- 2 = STRAHNET connector route A
- 3 = STRAHNET connector route B

HPCORD: Item used to define Congressional High Priority Corridor
- 0 = Not on a Congressional High Priority Corridor
- 1 = Congressional High Priority Corridor

NHS: Item used to define road systems that are part of a National Highway System

0 = Not part of a National Highway System
1 = Eisenhower Interstate System
2 = Congressional High Priority Route
3 = STRAHNET Route
4 = STRAHNET Major Connector
5 = Other NHS Route
6 = Congressional High Priority Route and STRAHNET Major Connector
7 = NHS Connector (proposed NHS connectors)

LIFE: Item used to define Life Line Routes on the State Highway System
0 = Not a Life Line Route
1 = Life Line Route

SCENIC: Item used to define a State Highway that is designated as a Scenic Highway
0 = Not a Scenic Highway
1 = Officially designated as a Scenic Highway
2 = Eligible to become a Scenic Highway
3 = Unconstructed State Highway eligible for Scenic designation
4 = Officially designated County Scenic Highway
5 = Connecting Federal Highway (Inside National Parks)
6 = Officially designated Historic Parkway

BIKE: Item used to define bike routes on a State Highway
0 = Not State Highway; bicycle access not determined or evaluated
1 = State Highway is accessible for bicycles
2 = State Highway is inaccessible for bicycles

ICB: A numeric code used to identify intercity bus routes and the carriers who use that route
(Please refer to "ICB CODES" attachment)

IRRS: Item used to define the Interregional Road System
0 = Not an Interregional Road System
1 = Interregional Road System
2 = Interegional Road System, unconstructed routes
3 = Not an Interregional Road System, selected unconstructed routes

F&E: Item used to define the Freeway and Expressway System
0 = Not a Freeway and Expressway System
1 = Freeway and Expressway System
2 = Freeway and Expressway System, unconstructed routes
3 = Not a Freeway and Expressway System, selected unconstructed routes
(THIS ITEM WILL EXIST IN A FUTURE VERSION)

LLRSUB: HPMS field; LLR Subroute
DO NOT MODIFY.

SUBFLG: HPMS field; Flag
DO NOT MODIFY.

BPM: HPMS field ; Beginning odometer value of related HPMS segment. This is not the odometer value for a particular arc but only for the beginning of the segment that the arcs comprise.

EPM: HPMS field; Ending odometer value of related HPMS segment. This is not the odometer value for a particular arc but only for the beginning of the segment that the arcs comprise.

ITMS: Item used to identify an Intermodal Transportation Management System (ITMS) corridor or
     connector
       (CURRENTLY THIS ITEM IS NOT CODED)

ITMS-ID: This ID is used to relate to the ITMS model.
       (CURRENTLY THIS ITEM IS NOT CODED)

GIS-ID: An internal ID used by the Caltrans Service Center
       DO NOT MODIFY

UPDATE-ID: This ID is used to identify arcs that are in the process of being updated.

NUMLANE: Number of lanes. Used for display on the Caltrans State Highway Map. May not be the same as shown in the State Highway Inventory Database.

       02 = 2 lanes
       04 = 4 or more lanes

ACCONT: Access control. Used for display on the Caltrans State Highway Map. May not be the same as shown in the State Highway Inventory Database.

       0 = Not displayed
       1 = Freeway
       2 = Expressway
       3 = Conventional
       4 = National Park
       5 = Relinquished
       6 = Toll Road
       7 = Adopted
       8 = Proposed

RSYS: Item used to define the type of Route System
       0 = Not a Route System
       1 = Interstate Route System
       2 = US Route System
       3 = State Route System

IRTE: Signed Interstate route number.
       This item is used to display highways that are signed Interstate to the traveling public.

USRTE: Signed US route number
       This item is used to display highways that are signed US to the traveling public.

SRTE: Signed State route number
       This item is used to display highways that are signed State to the traveling public.

LRTE: Legislative route number
       This item is used to display the State Highway Route as defined in the Caltrans Statutes
       sections 300 - 635. This item is also used to display the legislative symbol on maps.

BRTE: Business route number
       This item is used to display routes that are signed Business to the traveling public.

COINRTE: Coincident route number
    This item is used to display the number of the coincident route when there are two state routes or two interstate routes on the same roadway.

COINRTE2: Second Coincident route number
    This item is used to display the number of the second coincident route when there are three state routes or three interstate routes on the same roadway.

Redefined Items

SEG: This item is a combination of the DIST, SEG1#, SEG2# and HGROUP items.
    The SEG item is used as a relate item to the HPMS database catagory 7A (CalTrans district, route, postmile or section designation.)

RDS: This item is a combination of the RTE and SUBRTE items. It is the linkage between the arcs and the RTE route system.

SEG#: This item is a combination of the SEG1# and SEG2# items.

RELATIONAL DATA

Currently there are no data relationships established.

DATABASE RELATION:

Currently there are no database relationships established.

DATA QUALITY ASSESSMENT:

ICB	CARRIER
0	None
101	Amtrak Bus Connectors
102	Amador Stage Lines
103	California Yosemite Tours
104	Desert Stage Lines
105	Green Tortise
106	Green Belt Stages
107	Greyhound
108	Orange Belt Stages
109	Trailways
110	Via Adventures
111	Vista
201	Amtrak Bus ** Greyhound
202	Amtrak Bus ** Orange Belt
203	Amtrak Bus ** Vista
204	Desert Stage ** Trailways
205	Green Tortise ** Greyhound
206	Greyhound ** Orange Belt
207	Greyhound ** Trailways
208	Trailways ** Vista

209	Greyhound ** Vista
210	Greyhound ** Desert Stage
301	Amtrak Bus ** Green Belt ** Greyhound
302	Amtrak Bus ** Green Tortise ** Greyhound
303	Amtrak Bus ** Greyhound ** Orange Belt
304	Amtrak Bus ** Greyhound ** Trailways
305	Cal Yosemite ** Greyhound ** Via Adventures
306	Cal Yosemite ** Greyhound ** Trailways
307	Greyhound ** Trailways ** Vista
308	Greyhound ** Trailways ** Orange Belt
309	Amtrak Bus ** Greyhound ** Desert Stage
401	Amtrak Bus ** Greyhound ** Trailways ** Amador
402	Amtrak Bus ** Greyhound ** Cal Yosemite ** Via Adventures
403	Amtrak Bus ** Greyhound ** Trailways ** Orange Belt
404	Amtrak Bus ** Greyhound ** Trailways ** Cal Yosemite
501	Amtrak Bus ** Amador ** Green Tortise ** Greyhound ** Trailways
601	Amtrak Bus ** Amador ** Green Belt ** Green Tortise ** Greyhound ** Trailways